

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/533,642
Source: PCR/10
Date Processed by STIC: 9/26/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRE SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



PCT

RAW SEQUENCE LISTING

DATE: 09/26/2005

PATENT APPLICATION: US/10/533,642

TIME: 12:48:50

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09262005\J533642.raw

3 <110> APPLICANT: THERAPTOSIS S.A.
 5 <120> TITLE OF INVENTION: METHOD FOR SCREENING MODULATORS OF MITOCHONDRIAL FUCTIONNING
 AND NEW
 6 MODULATORS OBTAINED
 8 <130> FILE REFERENCE: 60815PCT
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/533,642
 C--> 11 <141> CURRENT FILING DATE: 2005-05-03
 13 <150> PRIOR APPLICATION NUMBER: US 60/472,725
 14 <151> PRIOR FILING DATE: 2003-05-23
 16 <150> PRIOR APPLICATION NUMBER: US 60/415/092
 17 <151> PRIOR FILING DATE: 2002-10-02
 19 <160> NUMBER OF SEQ ID NOS: 57
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 16
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Artificial
 W--> 28 <220> FEATURE:
 W--> 28 <223> OTHER INFORMATION:
 W--> 28 <400> 1
 30 Ala Thr Leu Ser Ala Leu Leu Ala Ala Leu Arg Arg Ile Gln Arg Ala
 31 1 5 10 15
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 27
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Artificial
 W--> 39 <220> FEATURE:
 W--> 39 <223> OTHER INFORMATION:
 W--> 39 <400> 2
 41 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Ala Thr Leu Ser Ala
 42 1 5 10 15
 45 Leu Leu Ala Ala Leu Arg Arg Ile Gln Arg Ala
 46 20 25
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 40
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Artificial
 W--> 54 <220> FEATURE:
 W--> 54 <223> OTHER INFORMATION:
 W--> 54 <400> 3
 56 Arg Lys Lys Arg Arg Gln Arg Arg Arg Cys Gly Gly Leu Glu Thr Arg
 57 1 5 10 15
 60 Thr Glu Thr Trp Met Ser Ser Glu Gly Ala Trp Lys Gln Ile Gln Lys
 61 20 25 30

pp 1-6
 Does Not Comply
 corrected Diskette Needed

needs explanation in 2227-2237 section
 see p. 6

global
 error

(every sequence
 has this
 error)

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64 Val Glu Thr Trp Ala Leu Arg His
65          35          40
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 40
70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial
W--> 73 <220> FEATURE:
W--> 73 <223> OTHER INFORMATION: same
W--> 73 <400> 4
75 Arg Lys Lys Arg Arg Gln Arg Arg Arg Cys Gly Gly Leu Ala Asn Lys
76 1          5          10          15
79 Lys Gly Ala Trp Leu Asp Ser Thr Lys Ala Thr Arg Tyr Leu Val Lys
80          20          25          30
83 Thr Glu Ser Trp Ile Leu Arg Asn
84          35          40
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 28
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial same
92 <220> FEATURE:
93 <221> NAME/KEY: DISULFID
94 <222> LOCATION: (3)..(10)
95 <223> OTHER INFORMATION:
W--> 98 <400> 5
100 Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Leu Leu Phe Ile
101 1          5          10          15
104 His Phe Arg Ile Gly Ser Arg His Ser Arg Ile Gly
105          20          25
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 9
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial
W--> 113 <220> FEATURE:
W--> 113 <223> OTHER INFORMATION:
W--> 113 <400> 6
115 Arg Ile Glu Ile Trp Ile Leu Arg His
116 1          5
119 <210> SEQ ID NO: 7
120 <211> LENGTH: 9
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial
W--> 124 <220> FEATURE:
W--> 124 <223> OTHER INFORMATION:
W--> 124 <400> 7
126 Arg Ile Ala Ile Trp Ile Leu Arg His
127 1          5
130 <210> SEQ ID NO: 8
131 <211> LENGTH: 20
132 <212> TYPE: PRT

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133 <212> ORGANISM: Artificial
W--> 135 <220> FEATURE:
W--> 135 <223> OTHER INFORMATION:
W--> 135 <400> 8
137 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Arg Ile Glu Ile Trp
138 1 5 10 15
141 Ile Leu Arg His
142 20
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 20
147 <212> TYPE: PRT
148 <213> ORGANISM: Artificial
W--> 150 <220> FEATURE:
W--> 150 <223> OTHER INFORMATION:
W--> 150 <400> 9
152 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Arg Ile Ala Ile Trp
153 1 5 10 15
156 Ile Leu Arg His
157 20
160 <210> SEQ ID NO: 10
161 <211> LENGTH: 28
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial
W--> 165 <220> FEATURE:
W--> 165 <223> OTHER INFORMATION:
W--> 165 <400> 10
167 Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Leu Leu Phe Ile
168 1 5 10 15
171 His Phe Arg Ile Gly Cys Arg His Ser Arg Ile Gly
172 20 25
175 <210> SEQ ID NO: 11
176 <211> LENGTH: 31
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial
W--> 180 <220> FEATURE:
W--> 180 <223> OTHER INFORMATION:
W--> 180 <400> 11
182 Glu His Trp Ser Tyr Trp Leu Arg Pro Gly Gly Gly Gly Gly Ser Leu
183 1 5 10 15
186 Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser Arg Ile Gly
187 20 25 30
190 <210> SEQ ID NO: 12
191 <211> LENGTH: 27
192 <212> TYPE: PRT
193 <213> ORGANISM: Artificial
W--> 195 <220> FEATURE:
W--> 195 <223> OTHER INFORMATION:
W--> 195 <400> 12
197 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His

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PATENT APPLICATION: US/10/533,642

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Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09262005\J533642.raw

```
198 1          5          10          15
201 Ala Gln Arg Ile Glu Ile Trp Ile Leu Arg His
202          20          25
205 <210> SEQ ID NO: 13
206 <211> LENGTH: 27
207 <212> TYPE: PRT
208 <213> ORGANISM: Artificial
W--> 210 <220> FEATURE:
W--> 210 <223> OTHER INFORMATION:
W--> 210 <400> 13
212 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His
213 1          5          10          15
216 Ala Gln Arg Ile Glu Thr Trp Ile Leu Arg His
217          20          25
220 <210> SEQ ID NO: 14
221 <211> LENGTH: 27
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial
W--> 225 <220> FEATURE:
W--> 225 <223> OTHER INFORMATION:
W--> 225 <400> 14
227 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His
228 1          5          10          15
231 Ala Gln Arg Val Glu Ser Trp Ile Leu Arg Asn
232          20          25
235 <210> SEQ ID NO: 15
236 <211> LENGTH: 27
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial
W--> 240 <220> FEATURE:
W--> 240 <223> OTHER INFORMATION:
W--> 240 <400> 15
242 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys Arg
243 1          5          10          15
246 Ala Cys Arg Met Glu Thr Trp Ile Leu Arg His
247          20          25
250 <210> SEQ ID NO: 16
251 <211> LENGTH: 27
252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial
W--> 255 <220> FEATURE:
W--> 255 <223> OTHER INFORMATION:
W--> 255 <400> 16
257 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys Gln
258 1          5          10          15
261 Ile Gln Lys Val Glu Thr Trp Ala Leu Arg His
262          20          25
265 <210> SEQ ID NO: 17
266 <211> LENGTH: 27
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RAW SEQUENCE LISTING
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TIME: 12:48:50

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09262005\J533642.raw

267 <212> TYPE: PRT
268 <213> ORGANISM: Artificial
W--> 270 <220> FEATURE:
W--> 270 <223> OTHER INFORMATION:
W--> 270 <400> 17
272 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Arg Gln
273 1 5 10 15
276 Val Glu Lys Val Glu Thr Trp Ala Leu Arg His
277 20 25
280 <210> SEQ ID NO: 18
281 <211> LENGTH: 27
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial
W--> 285 <220> FEATURE:
W--> 285 <223> OTHER INFORMATION:
W--> 285 <400> 18
287 Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly Gly Gly Ala Trp Lys His
288 1 5 10 15
291 Ala Gln Arg Ile Ala Ile Trp Ile Leu Arg His
292 20 25
295 <210> SEQ ID NO: 19
296 <211> LENGTH: 15
297 <212> TYPE: PRT
298 <213> ORGANISM: Artificial
W--> 300 <220> FEATURE:
W--> 300 <223> OTHER INFORMATION:
W--> 300 <400> 19
302 Ala Trp Lys His Ala Gln Arg Ile Ala Ile Trp Ile Leu Arg His
303 1 5 10 15
306 <210> SEQ ID NO: 20
307 <211> LENGTH: 21
308 <212> TYPE: PRT
309 <213> ORGANISM: Artificial *same error*
311 <220> FEATURE:
312 <221> NAME/KEY: DISULFID
313 <222> LOCATION: (3)..(10)
314 <223> OTHER INFORMATION:
W--> 317 <400> 20
319 Gly Gly Cys Arg Gly Asp Met Phe Gly Cys Gly Gly Arg Ile Glu Ile
320 1 5 10 15
323 Trp Ile Leu Arg His
324 20
327 <210> SEQ ID NO: 21
328 <211> LENGTH: 21
329 <212> TYPE: PRT
330 <213> ORGANISM: Artificial *same*
332 <220> FEATURE:
333 <221> NAME/KEY: DISULFID
334 <222> LOCATION: (3)..(10)

PSI
The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/533,642

DATE: 09/26/2005
TIME: 12:48:51

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09262005\J533642.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57

Use of <220> Feature (NEW RULES):

error explanation
Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,18,19,24,25,26,27,28,29,30,31,32
Seq#:33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,15,20,21,

22-23,54-57

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/533,642

DATE: 09/26/2005

TIME: 12:48:51

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09262005\J533642.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:28 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:28 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:28 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:28
L:39 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:39 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:39 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:39
L:54 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
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L:54 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial
L:54 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:54
L:73 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>
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L:73 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial
L:73 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:73
L:98 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:95
L:113 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
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L:113 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
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L:124 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>
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L:124 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:124
L:135 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>
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L:150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>
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L:150 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:150
L:165 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
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L:180 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
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L:180 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
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L:195 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial
L:195 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:195
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ORGANISM:Artificial
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L:240 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>
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L:240 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial
L:240 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:240
L:255 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial
L:255 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial
L:255 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:255

VERIFICATION SUMMARY

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Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09262005\J533642.raw

L:270 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213>

ORGANISM:Artificial

L:270 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>

ORGANISM:Artificial

L:270 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17,Line#:270

L:285 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:18, <213>

ORGANISM:Artificial